AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at page 6, lines 13-22 with the following paragraph:

Methods, apparatuses and systems for different embodiments for an essentially sterile, pyrogen-free, polymeric film-based heating bag are described. References in the specification to "one embodiment", "an embodiment", "an example embodiment", etc., indicate that the embodiment described may ~~includes~~ include the particular feature, characteristic, but every embodiment may not necessarily include the particular feature, structure, or characteristic. Moreover, such phrases are not necessarily referring to the [[dame]] same embodiment. Further, when a particular feature, structure, or characteristic is described in connection with an embodiment, it is submitted that it is within the knowledge of one skilled in the art to affect such feature, structure, or characteristic in connection with other embodiments whether or not explicitly described.

Please replace the paragraph at page 12, lines 4-17 with the following paragraph:

In one embodiment, the edges 108A-108D are coupled to the edge 110A-110D, respectively, through a welding process. In one such embodiment, the edges 108A-108D are welded to the edges 110A-110D by heating such edges to a predefined temperature and pressing the edges together. In one embodiment, the predefined temperature is at least approximately 330° Celsius. **Figure 2** illustrates an apparatus for manufacturing a bag comprised of a polymeric film, according to one embodiment of the invention. As shown, an apparatus 200 includes a first press 202 and a second press 206. The first press 202 includes a press edge 204A, a press edge 204B, a press edge 204C and a press edge 204D. The second press 206 includes a press edge 208A, a press edge 208B, a press edge 208C and a press edge 208D. The remaining part of the first press 202 (that is interior to the press edge 204A, the press edge 204B, the press edge 204C and the press edge 204D) is recessed. The remaining part of the first press [[206]] 202 (that is interior to the press edge 208A, the press edge 208B, the press edge 208C and the press edge 208D) is recessed.

Please replace the paragraph at page 14, lines 21-26 with the following paragraph:

In block 402 of the flow diagram 400, the polymeric film-based bag is heated to at least approximately 253 ° Celsius. As described above, current requirements by the FDA for the sterilization and removal of pyrogen from containers, bags, etc. ~~includes~~ include that the interior lining ~~being~~ be heated to at least 253 ° Celsius. In an alternative embodiment, the polymeric film-based bag is heated to a lesser or greater temperature depending on the application. Control continues at block 404.

Please replace the paragraph at pages 14 and 15; page 14: lines 28-30; page 15: lines 1-3 with the following paragraph:

In block 404, the heating of the polymeric film-based bag is maintained for at least 60 minutes. Current requirements by the FDA for the sterilization and removal of pyrogen from containers, bags, etc. ~~includes~~ include that the ~~heating of the~~ interior lining of such containers, bags, etc. be heated to at least 253 ° Celsius for at least 60 minutes. In an alternative embodiment, the heating of the polymeric film-based bag is maintained for a lesser or greater amount of time depending on the application. Control continues at block 406.

Please replace the paragraph at page 15, lines 5-12 with the following paragraph:

In block 406, fluids are stored in the polymeric film-based bag after ~~maintaining the~~ heating [[of]] the bag [[at]] to at least 253 ° Celsius for at least 60 minutes. Accordingly, fluids (essentially sterile and free of pyrogen) that are stored in this polymeric film-based bag stay essentially sterile and free of pyrogen. In other words, the polymeric film-based bag that has been treated as described above does not contaminate the fluids stored therein, because the inner lining of the bag is essentially sterile and free of pyrogen. With reference to Figure 1B, the fluids are stored in the polymeric film-based bag through the connector 106. Control continues at block 408.